



LKT Laboratories, Inc.

S-(-)-Carbidopa Monohydrate

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID C0367

CAS No. 38821-49-7

Chemical Name

Synonym

Formula $C_{10}H_{14}N_2O_4 \cdot H_2O$

Formula Wt. 244.24

Melting Point

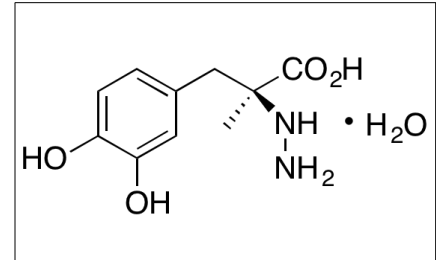
Purity $\geq 98\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

Description S-(-)-Carbidopa is a hydrazine that inhibits L-amino acid decarboxylase; it only acts peripherally when given systemically, as it does not cross the blood-brain barrier. S-(-)-Carbidopa inhibits formation of dopamine granules and dopamine-mediated swimming activity in sea urchins. In animal models with mutant isoforms of dopamine β -hydroxylase, S-(-)-carbidopa inhibits restoration of norepinephrine and other catecholamine production through rescue treatments.



Bulk quantities available upon request

Product ID	Size
C0367	25 mg
C0367	100 mg
C0367	1 g
C0367	5 g

References Katow H, Suyemitsu T, Ooka S, et al. Development of a dopaminergic system in sea urchin embryos and larvae. *J Exp Biol.* 2010 Aug 15;213(Pt 16):2808-19. PMID: 20675551.

Thomas SA, Marck BT, Palmiter RD, et al. Restoration of norepinephrine and reversal of phenotypes in mice lacking dopamine beta-hydroxylase. *J Neurochem.* 1998 Jun;70(6):2468-76. PMID: 9603211.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.